PATENT ABSTRACTS OF JAPAN

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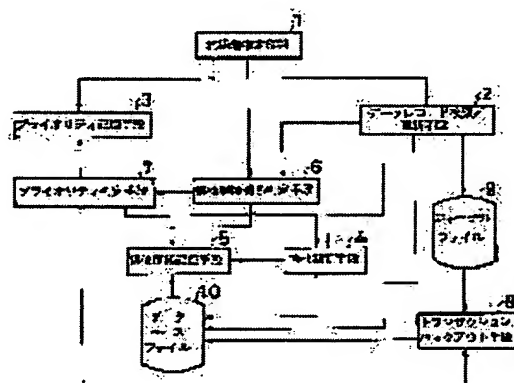| (21)Application number : 05-291549 | (71)Applicant : NEC CORP |
| (22)Date of filing :   28.10.1993 | (72)Inventor :   MORISHITA TAKAYUKI |

(54) EXCLUSIVE CONTROL SYSTEM

(57)Abstract:

PURPOSE: To provide exclusive control not to degrade the performance of a program having an emergency.
CONSTITUTION: An exclusive cancel wait deciding means 6 decides the presence/ absence of a cancel waiting program when it is shown by deciding time point information in user designation information 1. When any cancel waiting program exists, a priority deciding means 7 decides the priority between the cancel waiting program and a controlled system program based on the priority stored in a priority storage means 3. When it is decided by the priority deciding means 7 'to preferentially execute the cancel waiting program', a transaction backout means 8 returns the non-updated record image of a data record updated by the controlled system program from a journal file 9 to a data base file 10, and an exclusive control means 4 cancels the waiting state of the cancel waiting program.

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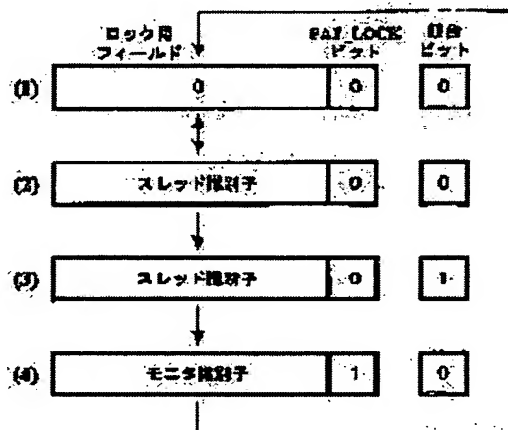
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             KOCHIYA KIYOKUNI

(54) METHOD AND DEVICE FOR LOCK MANAGEMENT OF OBJECT AND METHOD AND DEVICE FOR UNLOCKING OBJECT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a compound lock method not to decelerate the processing speed of a high-frequency path for locking, accessing and unlocking an object.

SOLUTION: In a state of making plural sleds existent, when managing lock to the object by storing a bit showing the kind of lock and the identifier of a sled, which acquires lock corresponding to the lock of a first kind, or the identifier of lock of a second kind in a storage area provided corresponding to the object, this method executes a step for judging the bit showing the kind of lock for a certain object held by the first sled shows the lock of the first kind or not when the second sled tries to acquire the lock of a certain object and a step for putting up a competition bit when the bit shows the lock of the first kind.

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